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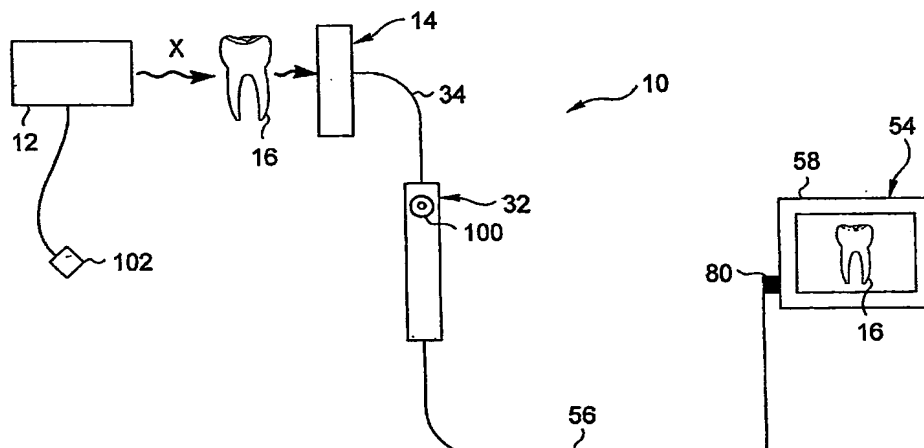
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(54) **Title: DENTAL RADIOLOGY APPARATUS AND SIGNAL PROCESSING METHOD USED THEREWITH**



(57) **Abstract:** The invention relates to a dental radiology apparatus, characterized in that it comprises: an intraoral sensor comprising a detector that includes an active pixel array produced using biCMOS technology and converting a received x-ray into at least one analog electrical output signal, an electronic module encapsulated in a case and which has at least one detector activation device, the module being linked to the sensor by a wire link for the transmission to said sensor of a detector activation signal generated in the module and for the transmission to the module of said at least one analog electrical output signal, the module having analog-digital means for converting said at least one analog electrical output signal into at least one digital output signal, a remote processing and display unit of said at least one digital output signal which is linked to the electronic module by a wire link intended to ensure the transmission to the unit of said at least one digital output signal.



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